

## Amendments to the Claims

1-3. (Canceled)

4. (Previously Presented) The monitor protein of claim 13, wherein the pair of fluorescent proteins is a red-shifted green fluorescent protein (RSGFP) and a blue-shifted green fluorescent protein (BSGFP) of *Aequorea victoria*.

5. (Previously Presented) The monitor protein of claim 13, wherein the phosphorylation region comprises the amino acid sequence of SEQ ID NO:1.

6-8. (Canceled)

9. (Currently Amended) A method for measuring phosphorylation ability of a test protein, the method ~~comprises~~ comprising:

reacting the test protein with the monitor protein of claim 13, ~~and~~  
measuring fluorescence of the monitor protein; and  
comparing the fluorescence of the monitor protein that has been reacted with the test protein to a monitor protein that has not been reacted with the test protein.

10-12. (Canceled)

13. (Currently Amended) A monitor protein for measuring protein phosphorylation, wherein the monitor protein comprises (a) a phosphorylation region that undergoes a conformational change upon phosphorylation and (b) a pair of fluorescent proteins, wherein ~~a~~ each fluorescent protein of the pair is bound to ~~each~~ an opposite end of the phosphorylation region, and wherein the conformational change causes phosphorylation of the phosphorylation region causes a change of the intensity of emitted fluorescence of the monitor protein.